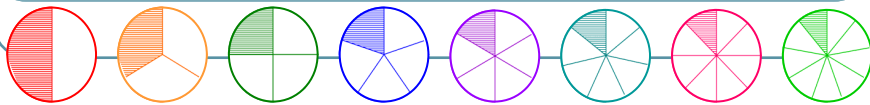
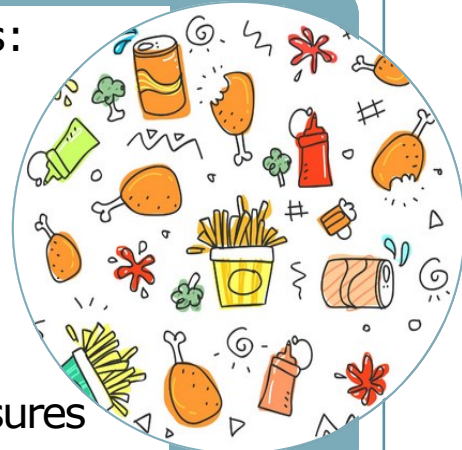


## Answers - Basics of Fractions Book 2

### Developing Fluency In Numeracy

Fractions all around us:

- ✓ in shapes
- ✓ in money
- ✓ in mass
- ✓ in time
- ✓ in lengths
- ✓ in capacity
- ✓ to share in equal measures



## Answers to Basics of Fractions Book 2

<b>Page 3</b>				
$3 \times 5 = 15$	$18 \div 3 = 6$	$5 \times 2 = 10$	$36 \div 6 = 6$	$8 \times 7 = 56$
$18 \div 9 = 2$	$7 \times 5 = 35$	$21 \div 7 = 3$	$4 \times 8 = 32$	$28 \div 7 = 4$
$3 \times 8 = 24$	$16 \div 4 = 4$	$5 \times 4 = 20$	$9 \times 4 = 36$	$8 \times 9 = 72$
$14 \div 7 = 2$	$7 \times 6 = 42$	$9 \times 7 = 63$	$40 \div 4 = 10$	$7 \times 7 = 49$
$9 \times 4 = 36$	$24 \div 8 = 3$	$40 \div 8 = 5$	$12 \div 3 = 4$	$48 \div 8 = 6$
$32 \div 8 = 4$	$8 \times 5 = 40$	$25 \div 5 = 5$	$8 \times 6 = 48$	$45 \div 5 = 9$
$3 \times 9 = 27$	$27 \div 9 = 3$	$9 \div 3 = 3$	$48 \div 8 = 6$	$36 \div 3 = 12$
$36 \div 6 = 6$	$24 \div 4 = 6$	$4 \times 3 = 12$	$32 \div 4 = 8$	$12 \times 3 = 36$
$49 \div 7 = 7$	$36 \div 9 = 4$	$24 \div 6 = 4$	$7 \times 4 = 28$	$48 \div 6 = 8$
$4 \times 4 = 16$	$54 \div 6 = 9$	$5 \times 6 = 30$	$6 \times 2 = 12$	$15 \times 2 = 30$
$54 \div 9 = 6$	$24 \div 6 = 4$	$64 \div 8 = 8$	$12 \div 6 = 2$	$63 \div 9 = 7$
$63 \div 7 = 9$	$81 \div 9 = 9$	$27 \div 3 = 9$	$50 \div 5 = 10$	$54 \div 6 = 9$
$8 \times 4 = 32$	$5 \times 5 = 25$	$5 \times 9 = 45$	$7 \times 7 = 49$	$11 \times 6 = 66$
$63 \div 9 = 7$	$8 \times 8 = 64$	$6 \times 6 = 36$	$56 \div 8 = 7$	$7 \times 9 = 63$
$9 \times 2 = 18$	$49 \div 7 = 7$	$16 \div 8 = 2$	$24 \times 2 = 48$	$32 \div 8 = 4$

<p><b>Pages 4 and 5</b></p> <p>Read and talk about fractions.</p>	<p><b>Pages 6, 7, 8 and 9</b></p> <p>Read and talk about fractions.</p> <p>Colour where necessary.</p>
<p><b>Page 10</b></p> <p>Example 2: 4 apples</p> <p>Example 3: <math>\frac{1}{4}</math> of 12 = 3</p>	<p><b>Page 11</b></p> <p>Q1: a) 3; b) 4; c) 2; d) 2; e) 3; f) 1; g) 1; h) 2; i) 3</p> <p>Q2: 2; 3; 4</p>
<p><b>Page 12</b></p> <p>Q1: a) 1; b) 2; c) 1; d) 2; e) 1; f) 2; g) 1; h) 2</p>	<p><b>Page 13</b></p> <p>Q2: a) 1; b) 2; c) 1; d) 2; e) 1; f) 1</p>
<p><b>Page 14</b></p> <p>Q1: Answers are same for all of i ii and iii a) 15; b) 10; c) 6; d) 5; e) 3</p> <p>Q2: a) <math>\frac{1}{3}</math> of 36 = 12;    b) <math>\frac{1}{4}</math> of 36 = 9; c) <math>\frac{1}{6}</math> of 36 = 6;    d) <math>\frac{1}{9}</math> of 36 = 4; e) 36 - 31 = 5 White marbles g) 12 - 5 = 7 Green marbles are left</p>	<p><b>Page 15</b></p> <p>Q1: Answers are same for all of i ii and iii a) 20; b) 10; c) 8; d) 5; e) 4</p> <p>Q2: a) <math>\frac{1}{3}</math> of 42 = 14;    b) <math>\frac{1}{7}</math> of 42 = 6; c) 42 - 14 - 6 = 22;    d) <math>\frac{1}{2}</math> of 22 = 11</p>

## Answers to Basics of Fractions Book 2

<p><b>Page 16</b></p> <p>Q1: a) <math>\frac{1}{4}</math> of 48 = 12;    b) <math>\frac{1}{3}</math> of 48 = 16;            c) <math>\frac{1}{6}</math> of 48 = 8;    d) <math>\frac{1}{8}</math> of 48 = 6;            e) <math>\frac{1}{2}</math> of 48 = 24</p> <p>Q2: a) <math>50 - 5 = 45</math> children;    b) <math>\frac{1}{5}</math> of 45 = 9;            c) <math>\frac{1}{3}</math> of 45 = 15;    d) <math>\frac{1}{9}</math> of 45 = 5;            e) <math>45 - 29 = 16</math> Children are asleep;            f) <math>\frac{1}{5}</math> of 5 = 1;    <math>5 - 1 = 4</math> Adults awake.</p>	<p><b>Page 17</b></p> <p>Q1: a) <math>\frac{1}{2}</math> of 60 = 30;    b) <math>\frac{1}{4}</math> of 60 = 15;            c) <math>\frac{1}{5}</math> of 60 = 12;    d) <math>\frac{1}{3}</math> of 60 = 20;            e) <math>\frac{1}{10}</math> of 60 = 6</p> <p>Q2: a) ii. <math>\frac{1}{2}</math> is bigger.            b) i) <math>\frac{1}{3}</math> of 45 = 15 Pancakes are eaten;            ii) <math>45 - 15 = 30</math> Pancakes are left;            iii) <math>\frac{1}{2}</math> of 30 = 15 Pancakes are sold;            iv) <math>\frac{1}{3}</math> of 45 = 15;    v) <math>\frac{1}{2}</math> of 30 = 15</p>
<p><b>Page 18</b></p> <p>Q1: a) <math>\frac{1}{8}</math> of 72 = 9;    b) <math>\frac{1}{9}</math> of 72 = 8;            c) <math>\frac{1}{12}</math> of 72 = 6;    d) <math>\frac{1}{6}</math> of 72 = 12;            e) <math>\frac{1}{3}</math> of 72 = 24</p> <p>Q2: a) <math>\frac{1}{2}</math> of 70 = 35;    b) <math>\frac{1}{5}</math> of 70 = 14;            c) <math>\frac{1}{7}</math> of 70 = 10;            d) <math>70 - 59 = 11</math> Strawberry flavoured.            e) <math>\frac{1}{5}</math> of 35 = 7 Vanilla flavoured ice-creams.               are sold So <math>35 - 7 = 28</math> are left.            f) <math>\frac{1}{5}</math> of 10 = 2 Chocolate flavoured ice-creams               are sold. So <math>10 - 2 = 8</math> are left.</p>	<p><b>Page 19</b></p> <p>Q1: a) <math>\frac{1}{8}</math> of 80 = 10;    b) <math>\frac{1}{5}</math> of 80 = 16;            c) <math>\frac{1}{2}</math> of 80 = 40;    d) <math>\frac{1}{4}</math> of 80 = 20;            e) <math>\frac{1}{10}</math> of 80 = 8</p> <p>Q2: a) <math>\frac{1}{3}</math> of 90 = 30;    b) <math>\frac{1}{9}</math> of 90 = 10;            c) <math>\frac{1}{6}</math> of 90 = 15;    d) <math>90 - 55 = 35</math> White roses;            e) <math>\frac{1}{7}</math> of 35 = 5, <math>35 - 5 = 30</math> are left;            f) <math>30 + 10</math> roses are scented;            g) <math>90 - 40 = 50</math> are unscented roses.</p>
<p><b>Page 20</b></p> <p>Q1: a) 60; b) 30; c) 20; d) 15            Q2: a) 60; b) 30; c) 10; d) 12            Q3: a) 12; b) 4; c) 8; d) 3; e) 6; f) 2</p>	<p><b>Page 21</b></p> <p>Q1: a) 7; b) 12; c) 52; d) 365; e) 366            Q2: a) 26; b) 6; c) 4; d) 13; e) 3            Q4: a) 14; b) 7; c) 4; d) 30            Q5: a) 10 days; b) 6 days; c) 24 days.</p>
<p><b>Page 22</b></p> <p>Q1: a) 13 g; b) 18 g; c) 12 g; d) 12 g; e) 8 g;            f) 9 g; g) 4 g; h) 6 g; i) 7 g; j) 15 g            Q2: a) <math>2\frac{1}{2}</math> g; b) <math>12\frac{1}{2}</math> g; c) <math>5\frac{1}{2}</math> g; d) <math>15\frac{1}{2}</math> g;            e) <math>7\frac{1}{2}</math> g; f) <math>17\frac{1}{2}</math> g; g) <math>9\frac{1}{2}</math> g; h) <math>20\frac{1}{2}</math> g;            i) <math>10\frac{1}{2}</math> g; j) <math>25\frac{1}{2}</math></p>	<p><b>Page 23</b></p> <p>Q1: a) i) 12 p; ii) 8 p; iii) 4 p; iv) 6 p;            b) i) 18 p; ii) 12 p; iii) 6 p; iv) 9 p;            c) i) 30 g; ii) 20 g; iii) 15 g; iv) 12 g            Q2: a) 45 g; b) 30 g; c) 2 lollies; d) 15 g</p>

## Answers to Basics of Fractions Book 2

<p><b>Page 24</b></p> <p>Q1: a) 15 l; b) 30 l; c) 10 l; d) 20 l; e) 6 l; f) 12 l; g) 5 l; h) 10 l; i) 3 l; j) 6 l</p> <p>Q2: a) <math>1\frac{1}{2}</math> l; b) <math>6\frac{1}{2}</math> l; c) <math>5\frac{1}{2}</math> l; d) <math>10\frac{1}{2}</math> l; e) <math>8\frac{1}{2}</math> l; f) <math>13\frac{1}{2}</math> l; g) <math>7\frac{1}{2}</math> l; h) <math>12\frac{1}{2}</math> l; i) <math>11\frac{1}{2}</math> l; j) <math>16\frac{1}{2}</math> l</p>	<p><b>Page 25</b></p> <p>Q1: a) i) 25 ml; ii) 10 ml; iii) 5 ml b) i) 35 ml; ii) 14 ml; iii) 7 ml c) i) 5 apples; ii) <math>7\frac{1}{2}</math> apples. d) i) 7 apples; ii) <math>10\frac{1}{2}</math> apples.</p>
<p><b>Page 26</b></p> <p>Measure and split the lines equally into a given fraction. Q1: Each part should be: a) 6 cm; b) 4 cm; c) 3 cm; d) 2 cm; e) 1 cm</p>	<p><b>Page 27</b></p> <p>Q1: Measure and split the lines into half. Q2: Measure and split the lines into thirds. Q3: Measure and split the lines into quarters.</p>
<p><b>Page 28</b></p> <p>Q1: Measure and split the lines equally into the given fraction. Q2: Draw and split the lines equally in half.</p>	<p><b>Page 29</b></p> <p>Q1: a) i) 36 cm; ii) 18 cm; iii) 24 cm; iv) 9 cm; v) 8 cm b) i) 48 cm; ii) 24 cm; iii) 32 cm; iv) 12 cm; v) 16 cm Q2: a) i) 5 mm; ii) 2.5 mm; iii) 2 mm; iv) 1 mm b) i) 50 cm; ii) 25 cm; iii) 20 cm; iv) 10 cm</p>
<p><b>Page 30</b></p> <p>Q1: a) 2; 3; 4; b) 24; 16; 12; c) 30; 20; 15 Q2: c) Quarter of the rectangle will remain plain. d) i. <math>\frac{1}{9}</math>; i. <math>\frac{1}{12}</math></p>	<p><b>Page 31</b></p> <p>Q1: a) 4; b) 2; c) 3; d) 2 Q2: a) <math>\frac{1}{4}</math>; b) <math>\frac{1}{2}</math>; c) <math>\frac{1}{4}</math>; d) i <math>\frac{1}{3}</math>; ii <math>\frac{1}{5}</math>; iii <math>\frac{1}{7}</math>; iv <math>\frac{1}{8}</math>; v <math>\frac{1}{4}</math> Q3: d) line a; e) line b.</p>
<p><b>Page 32</b></p> <p>Q1: a) 2; b) 3; c) 4; d) 5; e) 6; f) 7; g) 8; h) 9; i) 10 Q2: a) 40; 20; 16; 10; 8 b) 45; 30; 18; 10; 9</p>	<p><b>Page 33</b></p> <p>Q1: b) i <math>\frac{1}{2}</math>; ii <math>\frac{1}{3}</math>; iii <math>\frac{1}{4}</math>; iv <math>\frac{1}{5}</math>; v <math>\frac{1}{6}</math>; vi <math>\frac{1}{8}</math> Q2: c) i &gt;; ii &lt;; iii &lt;; iv &gt;; v &lt;; vi &gt;; vii &gt;; viii &lt;; ix &lt;; x &gt;; xi &lt;; xii &lt; Q3: d) 8; e) 4; f) 2; g) <math>\frac{1}{8}</math> of the triangle is plain.</p>
<p><b>Page 34</b></p> <p>Q1: a) <input checked="" type="checkbox"/>; b) <input checked="" type="checkbox"/>; c) <input checked="" type="checkbox"/>; d) <input checked="" type="checkbox"/>; e) <input checked="" type="checkbox"/>; f) <input checked="" type="checkbox"/> Q2: a) <input checked="" type="checkbox"/>; b) <input checked="" type="checkbox"/>; c) <input checked="" type="checkbox"/>; d) <input checked="" type="checkbox"/>; e) <input checked="" type="checkbox"/>; f) <input checked="" type="checkbox"/> Q3: a) <input checked="" type="checkbox"/>; b) <input checked="" type="checkbox"/>; c) <input checked="" type="checkbox"/>; d) <input checked="" type="checkbox"/>; e) <input checked="" type="checkbox"/>; f) <input checked="" type="checkbox"/>; g) <input checked="" type="checkbox"/>; h) <input checked="" type="checkbox"/></p>	